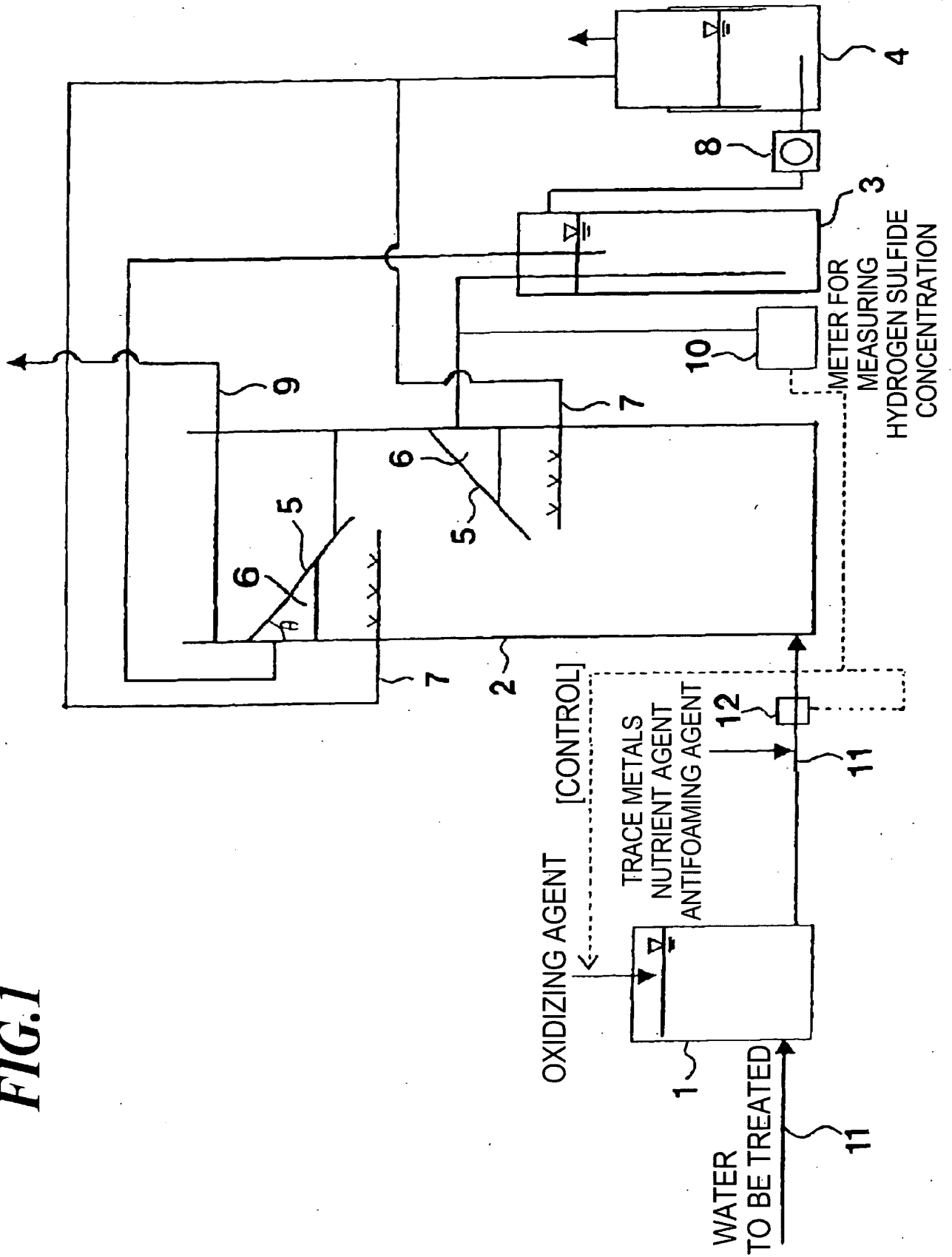
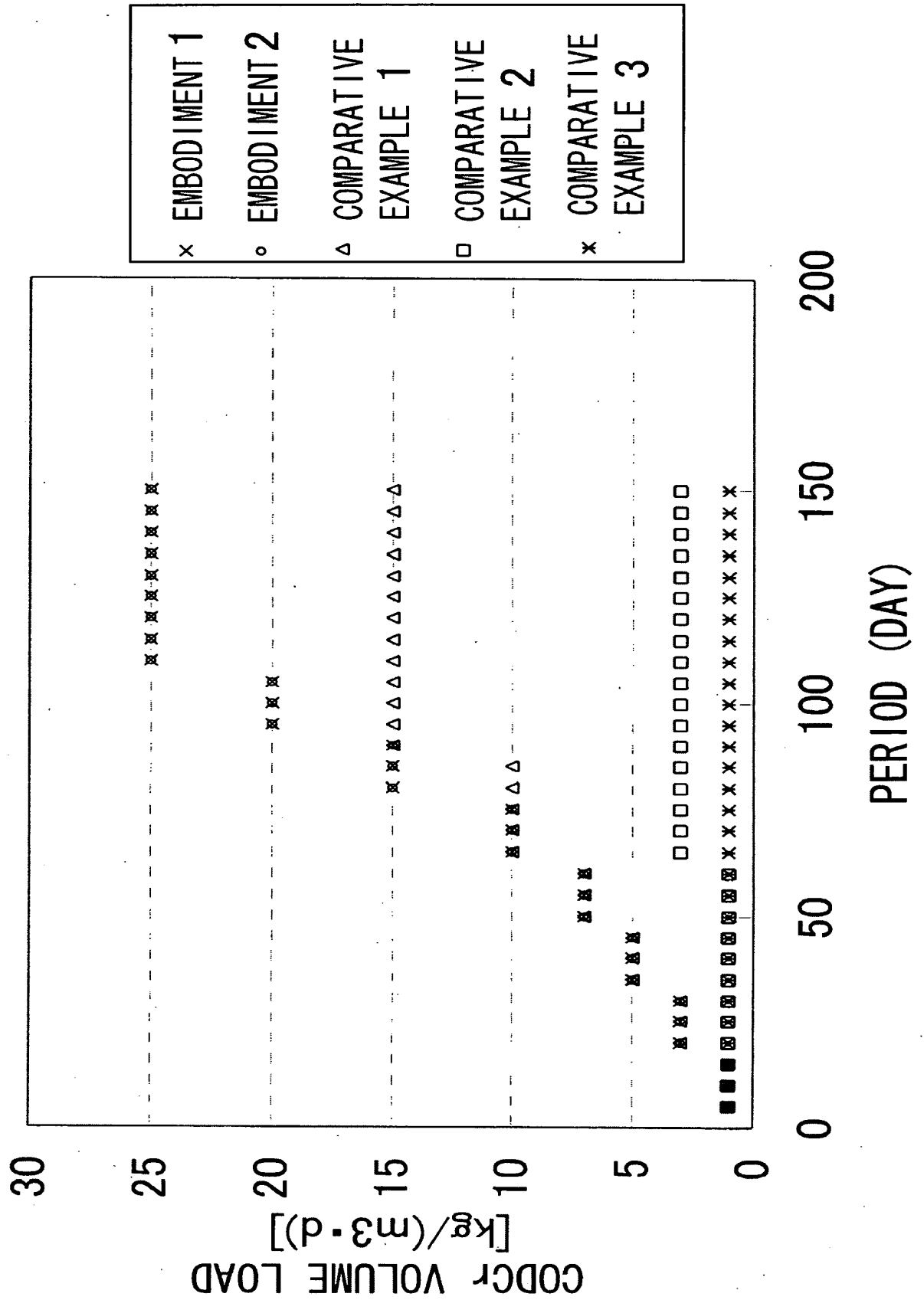


FIG.1



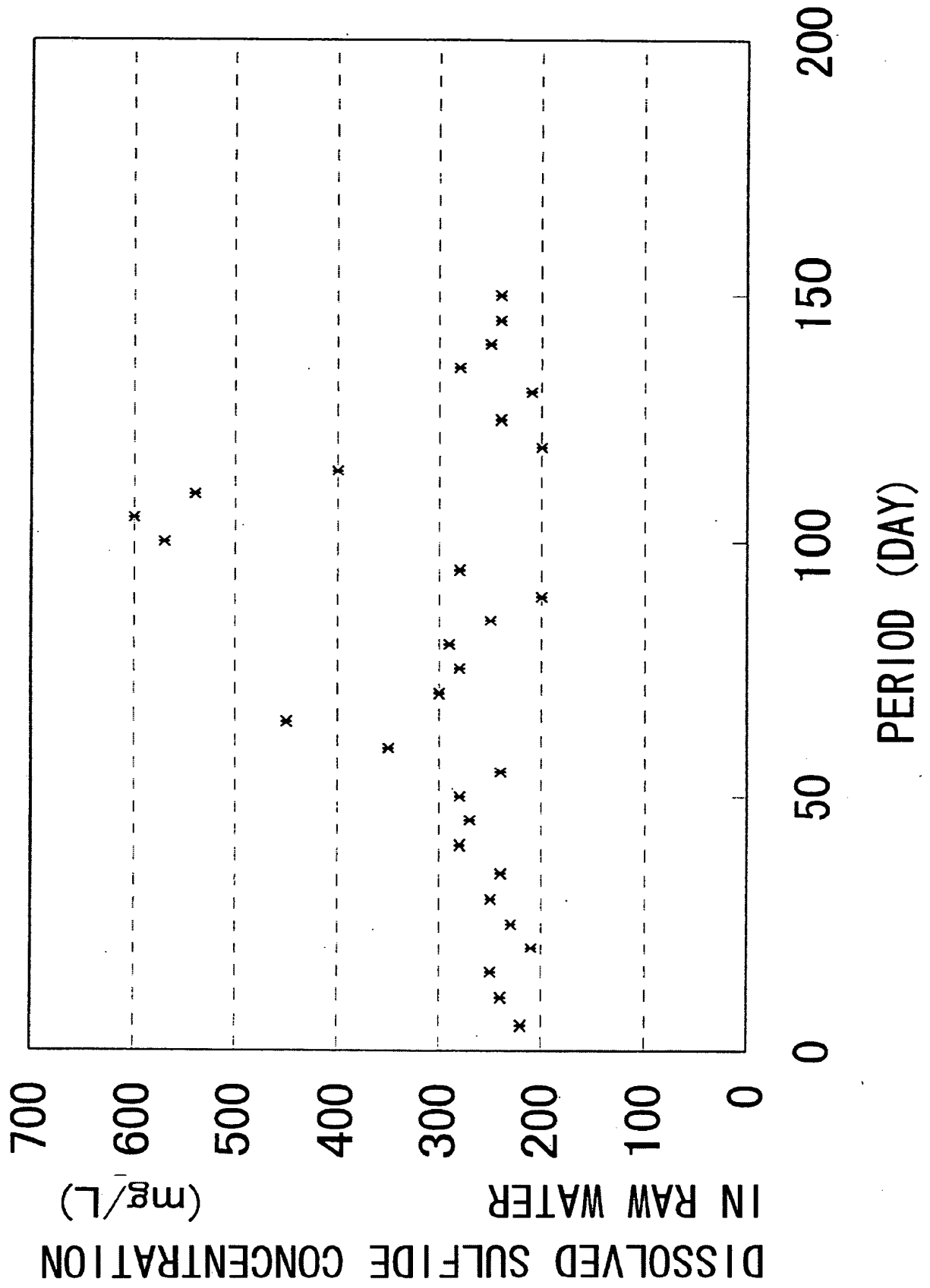
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FIG. 2



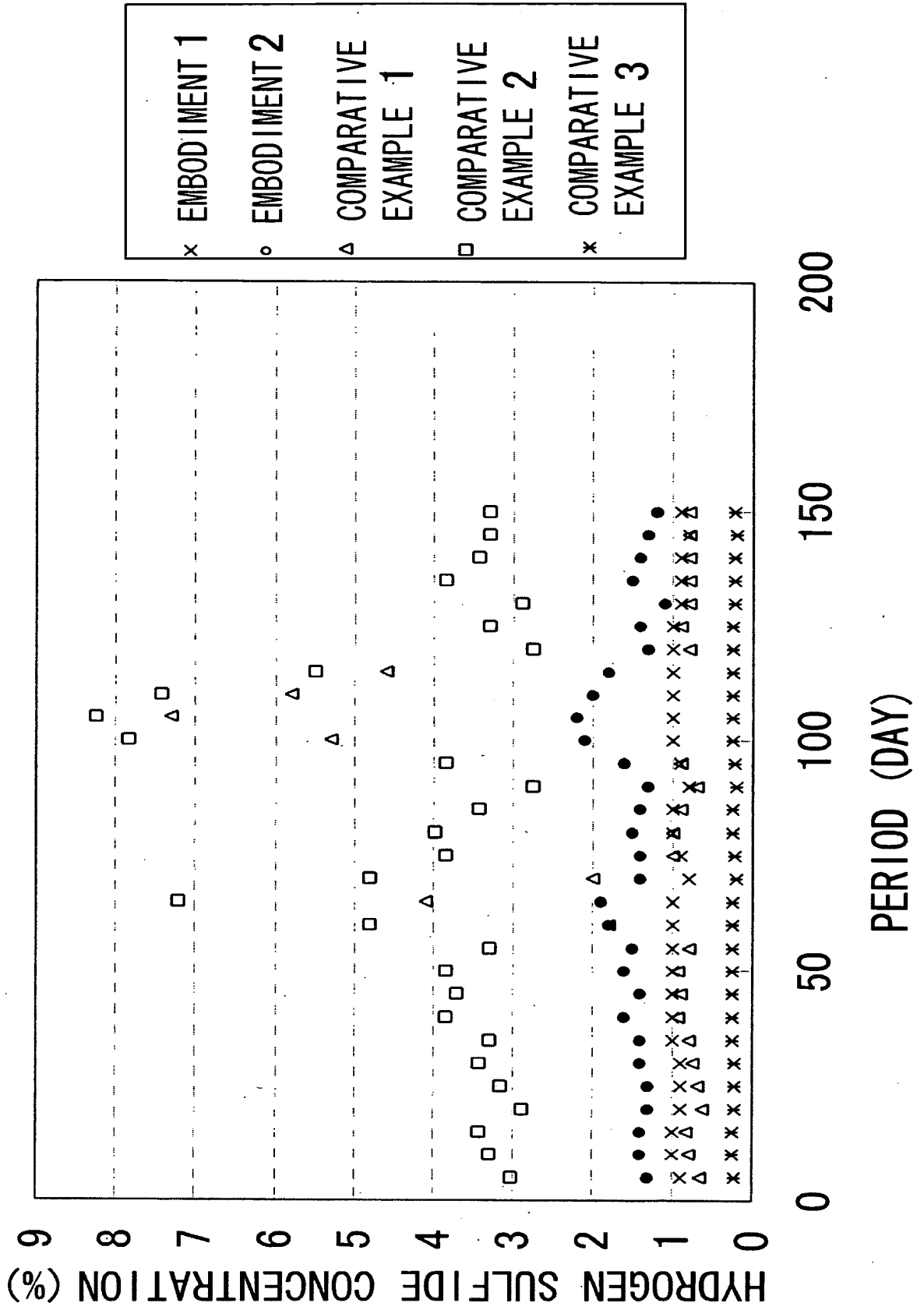
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FIG.3



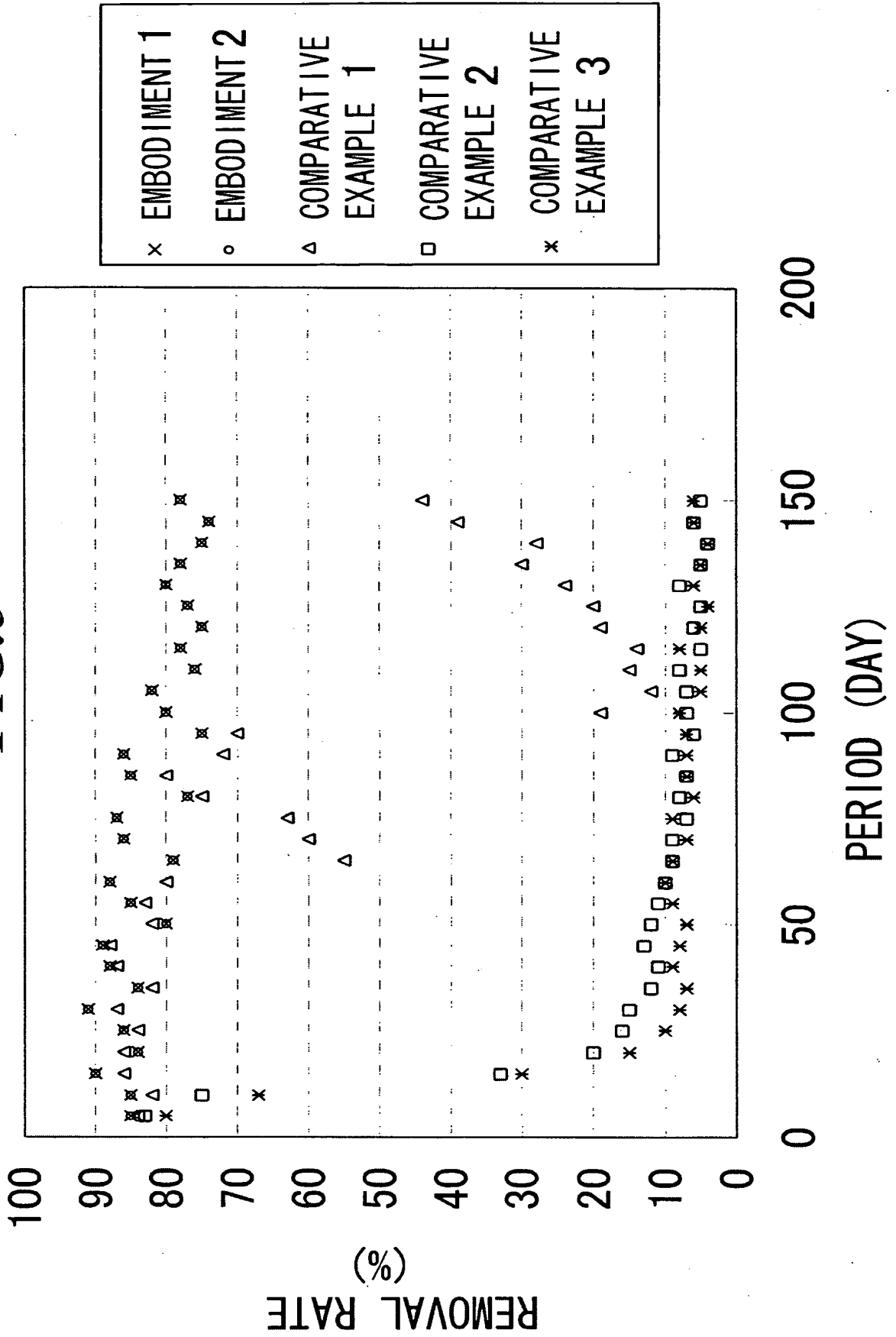
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FIG.4



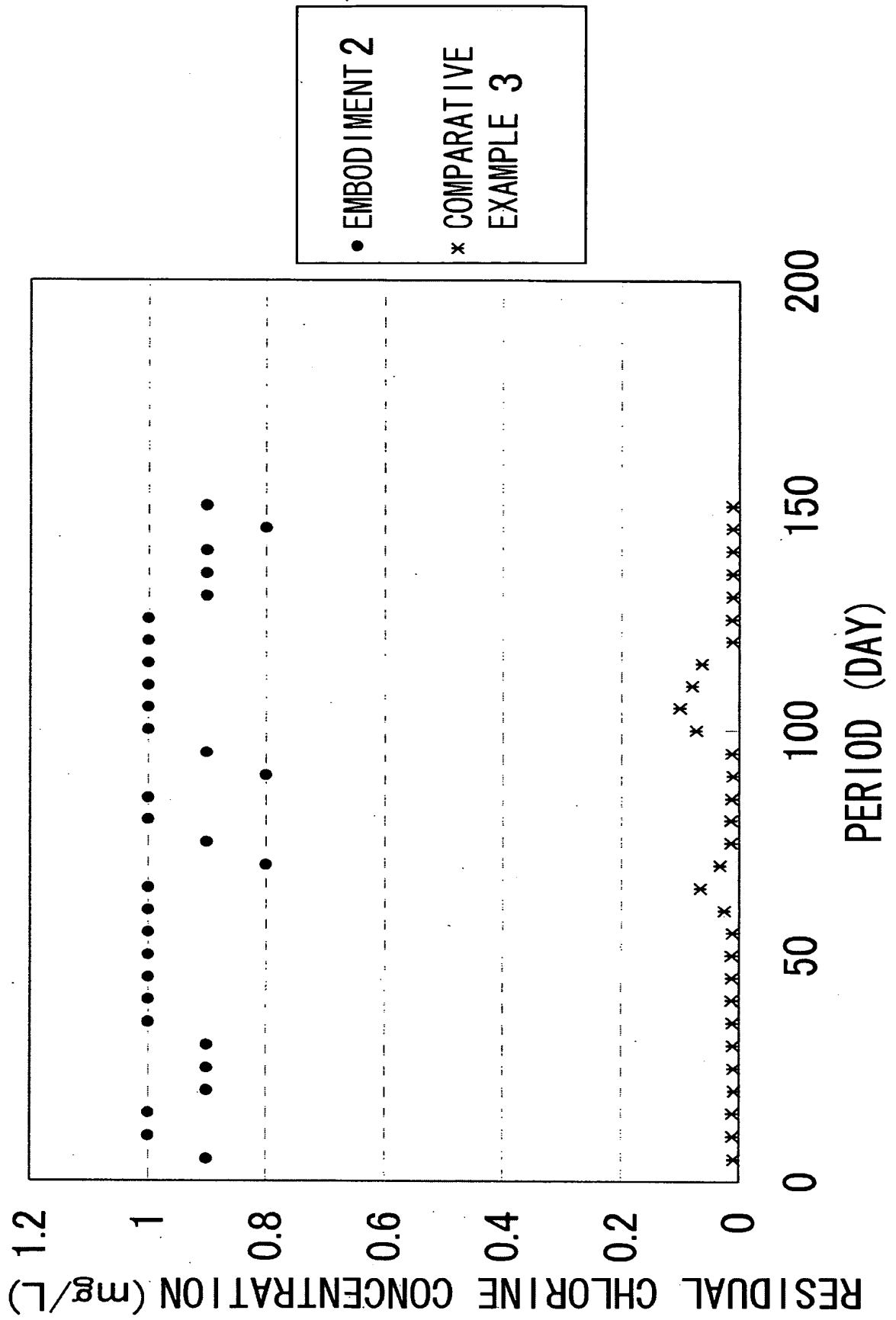
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FIG. 5



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FIG. 6



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FIG. 7

ELAPSED DAYS	CODCr VOLUME LOAD				
	EMBODIMENT 1	EMBODIMENT 2	COMPARATIVE EXAMPLE 1	COMPARATIVE EXAMPLE 2	COMPARATIVE EXAMPLE 3
5	1	1	1	1	1
10	1	1	1	1	1
15	1	1	1	1	1
20	3	3	3	1	1
25	3	3	3	1	1
30	3	3	3	1	1
35	5	5	5	1	1
40	5	5	5	1	1
45	5	5	5	1	1
50	7	7	7	1	1
55	7	7	7	1	1
60	7	7	7	1	1
65	10	10	10	3	1
70	10	10	10	3	1
75	10	10	10	3	1
80	15	15	10	3	1
85	15	15	10	3	1
90	15	15	15	3	1
95	20	20	15	3	1
100	20	20	15	3	1
105	20	20	15	3	1
110	25	25	15	3	1
115	25	25	15	3	1
120	25	25	15	3	1
125	25	25	15	3	1
130	25	25	15	3	1
135	25	25	15	3	1
140	25	25	15	3	1
145	25	25	15	3	1
150	25	25	15	3	1

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FIG. 8

ELAPSED DAYS	DISSOLVED SULFIDE CONCENTRATION	HYDROGEN SULFIDE CONCENTRATION IN BIOGAS				
		EMBODIMENT 1	EMBODIMENT 2	COMPARATIVE EXAMPLE 1	COMPARATIVE EXAMPLE 2	COMPARATIVE EXAMPLE 3
5	220	0.9	1.3	0.7	3	0.2
10	240	1	1.4	0.8	3.3	0.3
15	250	1	1.4	0.8	3.4	0.3
20	210	0.9	1.3	0.6	2.9	0.2
25	230	0.9	1.3	0.7	3.2	0.2
30	250	0.9	1.4	0.8	3.4	0.2
35	240	1	1.4	0.8	3.3	0.3
40	280	1	1.6	0.9	3.8	0.3
45	270	1	1.4	0.9	3.7	0.3
50	280	1	1.6	0.9	3.8	0.3
55	240	1	1.5	0.8	3.3	0.3
60	350	1	1.8	1.8	4.8	0.3
65	450	1	1.9	4.1	7.2	0.3
70	300	0.8	1.4	2.0	4.8	0.2
75	280	0.9	1.4	1.0	3.8	0.2
80	290	1	1.5	1.0	4.0	0.3
85	250	1	1.4	0.9	3.4	0.3
90	200	0.8	1.3	0.7	2.7	0.2
95	280	0.9	1.6	0.9	3.8	0.2
100	570	1	2.1	5.3	7.8	0.3
105	600	1	2.2	7.3	8.2	0.3
110	540	1	2	5.8	7.4	0.3
115	400	1	1.8	4.6	5.5	0.3
120	200	1	1.3	0.8	2.7	0.3
125	240	1	1.4	0.9	3.3	0.3
130	210	0.9	1.1	0.8	2.9	0.2
135	280	0.9	1.5	0.8	3.8	0.2
140	250	0.9	1.4	0.8	3.4	0.2
145	240	0.8	1.3	0.8	3.3	0.2
150	240	0.9	1.2	0.8	3.3	0.2

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FIG. 9

ELAPSED DAYS	COD _{cr} REMOVAL RATE				
	EMBODIMENT 1	EMBODIMENT 2	COMPARATIVE EXAMPLE 1	COMPARATIVE EXAMPLE 2	COMPARATIVE EXAMPLE 3
5	85	85	84	83	80
10	85	85	82	75	67
15	90	90	86	33	30
20	84	84	86	20	15
25	86	86	84	16	10
30	91	91	87	15	8
35	84	84	82	12	7
40	88	88	87	11	9
45	89	89	88	13	8
50	80	80	82	12	7
55	85	85	83	11	9
60	88	88	80	10	10
65	79	79	55	9	9
70	86	86	60	9	7
75	87	87	63	7	9
80	77	77	75	8	6
85	85	85	80	7	7
90	86	86	72	9	7
95	75	75	70	6	7
100	80	80	19	7	8
105	82	82	12	7	5
110	76	76	15	8	5
115	78	78	14	5	8
120	75	75	19	6	5
125	77	77	20	5	4
130	80	80	24	8	6
135	78	78	30	5	5
140	75	75	28	4	4
145	74	74	39	6	6
150	78	78	44	5	6

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FIG. 10

ELAPSED DAYS	RESIDUAL CHLORINE CONCENTRATION	
	EMBODIMENT 2	COMPARATIVE EXAMPLE 3
5	0.9	0.0
10	1	0.0
15	1	0.0
20	0.9	0.0
25	0.9	0.0
30	0.9	0.0
35	1	0.0
40	1	0.0
45	1	0.0
50	1	0.0
55	1	0.0
60	1	0.0
65	1	0.1
70	0.8	0.0
75	0.9	0.0
80	1	0.0
85	1	0.0
90	0.8	0.0
95	0.9	0.0
100	1	0.1
105	1	0.1
110	1	0.1
115	1	0.1
120	1	0.0
125	1	0.0
130	0.9	0.0
135	0.9	0.0
140	0.9	0.0
145	0.8	0.0
150	0.9	0.0